



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

D130-701-043 USED
Job Sheet 172321



Part No: D130-701-043 USED

Job Qty: 1 ea

Part Name: EC130 Heli-Utility-Basket™ - Airframe Mount, Fits LH or RH



Part Weight: 0 lbs

Status: Scheduled

Priority: Medium

Job Created: 2/15/18

Job Tracking No:

Due Date: 2/26/18

Created By: Linda Lacelle

Type: Return/Repair

Description:

Note: (Copied from part D130-701-043-AR) (Copied from part D130-701-043-) DWG DS9769 REV A, IIN D130-701 REV F SHEETS 12,13 IPP REV:A NEW ISSUE 10-04-20 JLM VERIFIED BY:DD IPP Rev:B 11.01.31 now @ chg003 DD verified by:ec IPP Rev:C 11.03.21 now @ chg004 DD verified by:ec IPP Rev:D 11.04.27 per ecn 11-554 DD verified by:ec IPP Rev:E 14.04.11 DSI9693 REV.A DD VERF:JLM IPP Rev:F 16.11.03 now @ chg008 DD VERF:JLM IPP Rev:G 17

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup hrs	Run Hrs	Workcenter / Supplier	Lead Time	
90	Start up Operation	1 Ea		2/24/18	0.00	0.00	Start Up Stores/Pkg-2		✓
115	Large Fab	1 pcs		2/24/18	0.00	4.00	Large Fab 1	11	11-18-2-16
120	Small Fab	1 pcs		2/26/18	0.00	2.23	Small Fab-1		8 FEB 18-02-20
130	QC	1 pcs		2/26/18	0.00	0.00	QC5		
140	Packaging	1 pcs		2/26/18	0.00	0.00	Packaging1-1		
150	QC	1 pcs		2/26/18	0.00	0.00	QC4		Smf
155	DC	1 pcs		2/26/18	0.00	0.00	DC		Smf
160	Packaging	1 pcs		2/26/18	0.00	0.00	Packaging3-1		
170	QC21-FG	1 Ea		2/26/18	0.00	0.00	QC21		

Part Op 120 - Assemble as per Dwg IIN-D130-701

Descriptions: 155 - Photocopy blue file and type labels per PPP D130-701-043 CHG007

160 - Identify and pack for shipping as per PPP D130-701-043 PPP Rev: _____

043
21
9-80

FEB 23 2018

FEB 2 3 2018
15095

061056

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION		AGAINST DEPARTMENT/PROCESS					
	Rework ☐	Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐			
	Scrap ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐			
	Use-as-is ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐			
	Suspected Unapproved ☐	Large Fab ☐	Composite ☐	Supplier ☐				

Date :	Step #:	QTY Effective :	MRB (QS1042) Approval
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Description Work Order Deviation

Completed By

Lead hand / Supervisor
Approval VerificationQC / QA Coordinator
Approval

DART Aerospace Ltd.
1270 Aberdeen Street
Newbury, ON K8A 1K7
CANADA
TEL: 513 532-5200
Email: sales@dartaero.com
www.dartaero.com



Container No: S042645

Part: D130-701-043 USED

Serial No/Batch: S042645

Revision: DS9769, IIN D130-701

Inspector:

Date: 02/15/18 11:50 AM

Root Cause							
Environment ☐	No Re-verification ☐	Pre ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Ben ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Cen ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Crai ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crin ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuff ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Drawing ☐				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Finish ☐				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Misread ☐				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐						
Misidentified ☐	Past Due ☐	OTHER : ☐					

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
D130-701-043-AR	EC130 Heli-Utility-Basket™ - Airframe Mount, Fits LH or RH	1 Ea (1 ea)	90-Start up Operation	
AN3-16A	Bolt	2 Ea (2 ea)	140-Packaging	
AN4-14A	Bolt	2 Ea (2 ea)	140-Packaging	
AN4-6A	Bolt	2 Ea (2 ea)	140-Packaging	
AN5-10A	Bolt	16 Ea (16 ea)	140-Packaging	
D2022-101	Spacer	2 Ea (2 ea)	140-Packaging	
D2258-220	Placard	1 Ea (1 ea)	140-Packaging	
D2530	Handle Weldment	1 Ea (1 ea)	140-Packaging	
MS20002C5	Washer	8 pcs (8 ea)	140-Packaging	
MS20002C6	Washer	12 Ea (12 ea)	140-Packaging	
MS21042L4	Nut	8 Ea (8 ea)	140-Packaging	
MS21042L5	Nut	28 Ea (28 ea)	140-Packaging	
MS21042L6	Nut	12 Ea (12 ea)	140-Packaging	
MS21250-05032	Bolt	4 Ea (4 ea)	140-Packaging	
MS21250-05038	Bolt	4 Ea (4 ea)	140-Packaging	
MS21250-06018	Bolt	12 Ea (12 ea)	140-Packaging	
NAS1149D0463J	Washer	7 Ea (7 ea)	140-Packaging	
NAS1149D0563J	Washer	44 Ea (44 ea)	140-Packaging	
NAS1149D0663J	Washer	12 Ea (12 ea)	140-Packaging	
NAS1149F0463P	Washer	4 Ea (4 ea)	140-Packaging	

Job Allocations

Operation	Component Part	Required	Inventory	Allocated
90-Start up Operation	D130-701-043	1	0	0
140-Packaging	AN3-16A	2		
	AN4-14A	2		
	AN4-6A	2		
	AN5-10A	16		
	D2022-101	2		
	D2258-220	1		
	D2530	1		
	MS20002C5	8		
	MS20002C6	12		
	MS21042L4	8		
	MS21042L5	28		
	MS21042L6	12		
	MS21250-05032	4		
	MS21250-05038	4		
	MS21250-06018	12		
	NAS1149D0463J	7		
	NAS1149D0563J	44		
	NAS1149D0663J	12		
	NAS1149F0463P	4		

Part Specifications

Specifications could not be found.

AN5-10A (4) 19409

Plex 2/15/18 11:16 AM dart.lacelle.linda

NAS1149F0503P (4) 38869
D2530 x2 14107
D2531 x2 31734

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date : _____	Step #: _____	QTY Effective : _____		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY			
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐	Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐
OTHER : _____					

RA112538 Report

Customer returning baskets and claims that it wouldn't be useful to them.

Basket was received at Dart poorly package.

Upon inspection basket had excessive damage that could have been made by the courier because the basket was not properly package by the customer. After further inspection it was discover some more damage to all of the other sub parts and also some hardware was use, which make believed that the customer did install the basket on is aircraft.

Damage found are

- Bent lid handle and paint damage. (see photo 1-2)
- Mounting bracket for lid is bent. (see photo 3-4)
- Corner of lid damage. (see photo 5-6)
- Hinge plate on base and lid bent. (see photo 7)
- Broken mesh on lid. (see photo 8-9)
- Paint damage on all four basket base ribs. (see photo 10-15)
- Paint damage on crossbeam and bracket assembly. (see photo 16-34)
- Excessive damage and paint damage on angle assembly. (see photo 35-47)
- Paint damage throughout the basket. (see photo 52-56)
- Some hardware open. (see photo 57-60)
- How basket was package. (see photo 61-62)

Will need authorization from Customer Support, Sales and QA on disposition

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval		
Description Work Order Deviation				Disposition					
Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐	OTHER :							
Misidentified ☐	Past Due ☐								

Linda Lacelle

From: Jean-Luc Menard
Sent: Thursday, February 8, 2018 11:56 AM
To: Linda Lacelle
Subject: Fwd: Basket repairs

Sent from my iPhone

Begin forwarded message:

From: Jean-Luc Menard <jmenard@dartaero.com>
Date: February 7, 2018 at 10:59:06 AM EST
To: Adrien Dillard <adillard@dartaero.com>
Cc: Linda Lacelle <llacelle@dartaero.com>
Subject: Basket repairs

Hi Adrian,
As per our phone conversation.

We could commit to the 25th of Feb for the repaired basket that would include:
Replacing the handle
Fixing the mesh and bent brackets
Local paint touch ups on brackets and mesh only

As discussed we would rather comit to rebuilding a new basket vs repairing this one as it involves less risk, we could commit to March 15th-20th delivery.

Let me know if you have any questions,
JL

Jean-Luc Menard
Director of Operations

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐							
Date :		Step #:		QTY Effective :			MRB (QS1042) Approval				
Description Work Order Deviation				Disposition				Completed By			
Root Cause				FAULT CATEGORY							
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐		No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐		Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐		Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐		Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐	
OTHER : ☐											

172321

Inspection Sheet Not Complete RA112538

Customer QA Ref

0

Parent Lot Number	Sub-component Item ID	Lot Qty	Lot #	Avg Cost	Disposition	Work Order #	Work order instructions
157080	AN3-16A ✓	-2	M136665	\$0.14	DAMAGED/SCRAP		Scrap. Open and use by customer
157080	AN4-14A ✓	-2	M136554	\$0.20	DAMAGED/SCRAP		Scrap. Open and use by customer
157080	AN4-22A	-1	m136586	\$0.42	DAMAGED/SCRAP		Scrap. Open and use by customer
157080	AN4-24A	-1	M136665	\$0.29	DAMAGED/SCRAP		Scrap. Open and use by customer
157080	AN4-6A ✓	-2	M135945	\$0.14	DAMAGED/SCRAP		Scrap. Open and use by customer
157080	AN4-7A	-2	m136192	\$0.15	DAMAGED/SCRAP		Scrap. Open and use by customer
157080	AN5-10A ✓	-16	m136192	\$0.25	DAMAGED/SCRAP		Scrap. Open and use by customer
157080	AN5-17A	-4	m136047	\$0.29	DAMAGED/SCRAP		Scrap. Open and use by customer
157080	AN970-4	-4	m136044	\$0.20	DAMAGED/SCRAP		Scrap. Open and use by customer
157080	D130-701-043 ✓	1	157080	\$9,079.46			
157080	D2022-101 ✓	-2	148309	\$4.18	DAMAGED/SCRAP		Scrap. Open and use by customer
157080	D2258-220 ✓	-1	156813	\$8.39	DAMAGED/SCRAP		Scrap. Open and use by customer
157080	D2332-041 ✓	-1	154561	\$76.38			Install on basket
157080	D2512 ✓	-1	156716	\$1,559.37	DAMAGED/REPAIRABLE		Damage to mesh. Tack weld mesh back in place, and touch up with paint
157080	D2530 ✓	-1	152748	\$56.65	DAMAGED/SCRAP		Damage from shipping. Scrap handle and replace.
157080	D2535	-1	152351	\$3.58			Install on basket
157080	D2535	-1	155434	\$3.58			Install on basket
157080	D2537	-2	152293	\$7.82			Install on basket
157080	D2931	-2	86435	\$0.05			Install on basket
157080	D3172-041 ✓	-1	156715	\$2,860.32	USED		Paint damage. Leave as is
157080	D4037-1 ✓	-1	157022	\$554.68	USED		Paint damage. Leave as is
157080	D4037-3 ✓	-1	156957	\$685.86	USED		Paint damage. Leave as is
157080	D4038-041 ✓	-1	156928	\$239.83	USED		Paint damage, and excessive gouging makes found on D4038-5 and D4038-9. Leave as is
157080	D4038-042 ✓	-1	156889	\$204.38	USED		Paint damage, and excessive gouging makes found on D4038-6 and D4038-10. Leave as is
157080	D4038-043 ✓	-1	156969	\$138.66	USED		Paint damage, and excessive gouging makes found on D4038-7 and D4038-11. Leave as is
157080	D4038-044 ✓	-1	156902	\$159.00	USED		Paint damage, and excessive gouging makes found on D4038-8 and D4038-12. Leave as is
157080	D4039-041 ✓	-1	154336	\$569.30	USED		Paint damage. Leave as is
157080	D4039-042 ✓	-1	154337	\$387.53	USED		Paint damage. Leave as is
157080	D4040-2 ✓	-4	144123	\$18.52	USED		Not open.
157080	D4090-1 ✓	-1	148444	\$10.04	USED		Not open.
157080	D4090-3 ✓	-1	148445	\$10.04	USED		Not open.
157080	D4090-5 ✓	-1	155412	\$7.45	USED		Not open.
157080	D4090-7 ✓	-1	152692	\$9.94	USED		Not open.
157080	D5359-041 ✓	-1	157091	\$767.12	USED		Paint damage. Leave as is
157080	D5393-043 ✓	-1	157092	\$299.63	USED		Leave as is. No damage found.
157080	D5394-043 ✓	-1	157093	\$44.82	USED		Leave as is.
157080	D5395-1 ✓	-1	156949	\$38.10	USED		Leave as is.
157080	MS20002C5 ✓	-8	m132680	\$0.10	DAMAGED/SCRAP		Scrap. Open and use by customer
157080	MS20002C6 ✓	-12	m134754	\$0.08	DAMAGED/SCRAP		Scrap. Open and use by customer
157080	MS20600-AD4W3	-2	m135603	\$0.17	DAMAGED/SCRAP		Scrap. Open and use by customer
157080	MS21042L3	-2	M136838	\$0.14	DAMAGED/SCRAP		Scrap. Open and use by customer
157080	MS21042L4 ✓	-8	m136648	\$0.17	DAMAGED/SCRAP		Scrap. Open and use by customer
157080	MS21042L4	-4	m136648	\$0.17	DAMAGED/SCRAP		Scrap. Open and use by customer
157080	MS21042L5 ✓	-11	m136740	\$0.32	DAMAGED/SCRAP		Scrap. Open and use by customer
157080	MS21042L5 ✓	-17	m136450	\$0.32	DAMAGED/SCRAP		Scrap. Open and use by customer
157080	MS21042L5 ✓	-4	m136740	\$0.32	DAMAGED/SCRAP		Scrap. Open and use by customer
157080	MS21042L6 ✓	-12	m136579	\$0.49	DAMAGED/SCRAP		Scrap. Open and use by customer
157080	MS21250-05032	-4	M136740	\$11.03	DAMAGED/SCRAP		Scrap. Open and use by customer
157080	MS21250-05038 ✓	-4	M136740	\$5.69	DAMAGED/SCRAP		Scrap. Open and use by customer
157080	MS21250-06018 ✓	-12	m136741	\$3.25	DAMAGED/SCRAP		Scrap. Open and use by customer
157080	NAS1149D0416J ✓	-2	m131511	\$0.04	DAMAGED/SCRAP		Scrap. Open and use by customer
157080	NAS1149D0463J ✓	-7	M136665	\$0.03	DAMAGED/SCRAP		Scrap. Open and use by customer
157080	NAS1149D0463J	-2	M136665	\$0.03	DAMAGED/SCRAP		Scrap. Open and use by customer
157080	NAS1149D0563J ✓	-4	m136295	\$0.03	DAMAGED/SCRAP		Scrap. Open and use by customer
157080	NAS1149D0563J ✓	-44	m136295	\$0.03	DAMAGED/SCRAP		Scrap. Open and use by customer
157080	NAS1149D0663J ✓	-12	M136192	\$0.04	DAMAGED/SCRAP		Scrap. Open and use by customer
157080	NAS1149DN832J	-2	M135297	\$0.01	DAMAGED/SCRAP		Scrap. Open and use by customer
157080	NAS1149F0463P ✓	-4	m127832	\$0.03	DAMAGED/SCRAP		Scrap. Open and use by customer

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date :	Step #:	QTY Effective :		MRB (QS1042) Approval	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY			
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐	Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐
OTHER : ☐					

Inspection Sheet Not Complete
RA112538

Customer QA Ref

0

Parent Lot Number	Sub-component Item ID	Lot Qty	Lot #	Avg Cost	Disposition	Work Order #	Work order instructions

QC Approval: P.D.

Date:

8/18/2017

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date :	Step #:	QTY Effective :		MRB (QS1042) Approval	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY			
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐			
OTHER : ☐					

Inspection Sheet Complete **RA112538**

Customer QA Ref #

0

Part Number	Batch / Serial #	Quantity	Part Complete	Rev/CHG Current	New Paperwork	New Labels	Disposition	Work order #	Work order instructions
D130-701-043	B157080	1	☐ yes	☐ yes	☐ yes	☐ yes		165098	Will need authorization from Customer Support, Sales and QA on disposition. See attach word document for instruction.
0		0	☐ yes	☐ yes	☐ yes	☐ yes			
0		0	☐ yes	☐ yes	☐ yes	☐ yes			
0		0	☐ yes	☐ yes	☐ yes	☐ yes			
0		0	☐ yes	☐ yes	☐ yes	☐ yes			
0		0	☐ yes	☐ yes	☐ yes	☐ yes			

QC Approval: P.D. _____

Date: 18-Aug-17 _____

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐							
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval				
Description Work Order Deviation				Disposition							
Root Cause		FAULT CATEGORY									
Environment	☐	No Re-verification	☐	Pressure/Forced	☐	Temperature/Cure	☐	Power Loss/Surge	☐	Positioned Wrong	☐
Design	☐	Operator	☐	Bending	☐	Set-up	☐	Folio/Program	☐	Outside Dimensions	☐
Doc/Data	☐	Offset/Setup	☐	Centre Not Concentric	☐	BOM/Route	☐	Grain	☐	Over/Under tolerance	☐
Equip/Tooling	☐	Supplier	☐	Cracks	☐	Broken/Damage/Defect	☐	Weld	☐	Part Incorrect	☐
Handling/Pre	☐	Training	☐	Crimp/Kink/Ripple/Wave	☐	Inspection Incomplete/Unqualified	☐	Wrong Stock Pulled	☐	Part Lost/Missing	☐
Material	☐	Use for Testing	☐	Cuffs	☐	Contamination	☐	Out of Sequence	☐	Part Moved	☐
Internal Transport	☐	Poor Information	☐	Crushing	☐	Countersink	☐	Off-set	☐	Drawing	☐
Tribal Knowledge	☐	Rushing	☐	Heat Treat	☐	Cut Too Short	☐	Mislabeled	☐	Finish	☐
LOA	☐	Product Improvement	☐	Wave/Twist in Tube	☐	Instructions Incomplete/Unclear	☐	Fit/Function	☐	Misread	☐
Substation	☐	Process Improvement	☐	Marks/Chatter	☐	Drill Holes	☐	Misaligned/off center	☐	Turning Sequence	☐
Past Expiry Date	☐	Manufacturing Process	☐	OTHER :							
Misidentified	☐	Past Due	☐								



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Master Unit 001056

Tel (613) 632-5200

Containers on Master Unit 001056				
Serial No	Part No	Customer Part No	Status	Quantity
S044041	AN3-16A		Allocated	2
S044047	AN5-17A		Allocated	4
S044048	D2530	D2530	Allocated	1
S044045	D2535	D2535	Allocated	2
S044046	D2537	D2537	Allocated	2
S044043	MS21042L3	MS21042L3	Allocated	2
S044042	MS21042L5	MS21042L5	Allocated	4
S044044	NAS1149F0563P		Allocated	4

Change Record

PAGE 1 OF 1

Part Number: D130-701-043

Description: HELI-UTILITY BASKET

[illegible]



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Master Unit 001056

Tel (613) 632-5200

Containers on Master Unit 001056				
Serial No	Part No	Customer Part No	Status	Quantity
S044041	AN3-16A		Allocated	2
S044913	AN4-14A		Allocated	2
S018326	AN4-6A	AN4-6A	Allocated	1
S044915	AN4-6A	AN4-6A	Allocated	1
S044916	AN5-10A	AN5-10A	Allocated	16
S044047	AN5-17A		Allocated	4
S044048	D2530	D2530	Allocated	1
S044045	D2535	D2535	Allocated	2
S044046	D2537	D2537	Allocated	2
S044917	MS20002C5		Allocated	8
S044919	MS20002C6		Allocated	12
S044043	MS21042L3	MS21042L3	Allocated	2
S044920	MS21042L4	MS21042L4	Allocated	8
S044042	MS21042L5	MS21042L5	Allocated	4
S044925	MS21042L5	MS21042L5	Allocated	24
S044922	MS21042L6		Allocated	12
S044926	MS21250-05032		Allocated	4
S044927	MS21250-05038	MS21250-05038	Allocated	4
S044928	MS21250-06018		Allocated	12
S044929	NAS1149D0463J	NAS1149D0463J	Allocated	7
S044930	NAS1149D0563J	NAS1149D0563J	Allocated	44
S044931	NAS1149D0663J		Allocated	12
S044932	NAS1149F0463P		Allocated	4
S044044	NAS1149F0563P		Allocated	4

Qty -041	Qty -043	Qty -011	Qty -013	Part Number	Description
10 (4)	28 (4)	24	24	+MS21042L5	NUT (OR MS21042-5)
	12	12		MS21042L6	NUT (OR MS21042-6)
	4	4	4	MS21250-05032	BOLT
	4	4	4	MS21250-05038	BOLT
	12	12		MS21250-06018	BOLT
2	2			*NAS1149DN832J	WASHER (AN960JD8)
2	2			*NAS1149D0416J	WASHER (AN960JD416L)
7 (2)	7 (2)			+NAS1149D0463J	WASHER (AN960JD416)
16 (4)	44 (4)	40	40	+NAS1149D0563J	WASHER (AN960JD516)
	12	12		NAS1149D0663J	WASHER (AN960JD616)

* Pre-assembled prior to shipping

+ Quantity in () preassembled prior to shipping

5.2. FOR D130-701-041 HELI-UTILITY BASKET KITS AT CHG 005 AND SUBSEQUENT, AND FOR D130-701-043 HELI-UTILITY BASKET KITS AT CHG 007 AND SUBSEQUENT

No change to D130-701-011 Conversion Kits and D130-701-013 Fixed Provisions Kit.

Qty -041	Qty -043	Part Number	Description
X		D130-701-041	HELI-UTILITY-BASKET
	X	D130-701-043	HELI-UTILITY BASKET
2	2	*D2022-101	SPACER
1	1	*D2258-220	LABEL
1	1	*D2332-041	PROP ASSEMBLY
1	1	*D2512	BASKET LID ASSEMBLY
1	1	*D2530	HANDLE ASSEMBLY
2	2	*D2535	SPRING
2	2	*D2537	BUSHING
2	2	*D2931	BUMPER
1	1	*D3172-041	BASKET BASE ASSEMBLY
2		D3173-041	BEAM ASSEMBLY
1		D3177-041	BRACKET ASSEMBLY
1		D3177-043	BRACKET ASSEMBLY
	1	D4037-1	AFT CROSSBEAM
	1	D4037-3	FWD CROSSBEAM
	1	D4038-041	ANGLE ASSEMBLY, FWD, LH
	1	D4038-042	ANGLE ASSEMBLY, FWD, RH
	1	D4038-043	ANGLE ASSEMBLY, AFT, LH
	1	D4038-044	ANGLE ASSEMBLY, AFT, RH
	1	D4039-041	FWD BRACKET ASSEMBLY
	1	D4039-043	AFT BRACKET ASSEMBLY
	4	D4040-1	RADIUS BLOCK
	1	D4090-1	PLACARD
	1	D4090-3	PLACARD
	1	D4090-5	PLACARD
	1	D4090-7	PLACARD
	1	D5359-041	STRUT ASSEMBLY
	1	D5359-042	STRUT ASSEMBLY
	1	D5367-1	BUSHING
	1	D5393-041	STRUT ASSEMBLY

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Revision: **G**

Date: 18.01.10

Qty -041	Qty -043	Part Number	Description
	1	D5394-043	BRACKET
	1	D5395-1	BRACKET
2	2	*AN3-16A	BOLT
2	2	AN4-6A	BOLT
2	2	AN4-14A	BOLT
1	1	*AN4-22A	BOLT
1	1	*AN4-24A	BOLT
(2)	(2)	+AN4-7A	BOLT
4	16	AN5-10A	BOLT
4	4	*AN5-17A	BOLT
2		AN5-23A	BOLT
4	4	*AN970-4	WASHER
	8	MS20002C5	WASHER
	12	MS20002C6	WASHER
2	2	*MS20600AD4W3	RIVET
2	2	*MS21042L3	NUT (OR MS21042-3)
8 (4)	8 (4)	+MS21042L4	NUT (OR MS21042-4)
10 (4)	28 (4)	+MS21042L5	NUT (OR MS21042-5)
	12	MS21042L6	NUT (OR MS21042-6)
	4	MS21250-05032	BOLT
	4	MS21250-05038	BOLT
	12	MS21250-06018	BOLT
2	2	*NAS1149DN832J	WASHER (AN960JD8)
2	2	*NAS1149D0416J	WASHER (AN960JD416L)
7 (2)	7 (2)	+NAS1149D0463J	WASHER (AN960JD416)
16 (4)	44 (4)	+NAS1149D0563J	WASHER (AN960JD516)
	12	NAS1149D0663J	WASHER (AN960JD616)
4	4	NAS1149F0463P	WASHER

* Pre-assembled prior to shipping

+ Quantity in () preassembled prior to shipping